

Koch, Kristine

From: Koch, Kristine
Sent: Thursday, June 27, 2013 12:22 PM
To: Gene Revelas
Cc: Jarrod Gasper; 'James McKenna'; 'jworonets@anchorqea.com'; Sandy Browning
Subject: RE: Background Dataset

I'm flummoxed! Total PCDD/Fs have always been part of the risk assessments and RI. The totals have to be computed to develop the TEQ, so a new query should not be necessary since it should have been done to develop the TEQ.

Further, the TBT values in the database are in ug/L (which is water, not sediment). I'm not aware of TBT being evaluated in water since it has an affinity for sediment. What's up with this? At this point, we are going to take out TBT from background discussion and state that there is insufficient data.

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From: Gene Revelas [mailto:grevelas@integral-corp.com]
Sent: Thursday, June 27, 2013 11:10 AM
To: Koch, Kristine
Cc: Jarrod Gasper; 'James McKenna'; 'jworonets@anchorqea.com'; Sandy Browning
Subject: RE: Background Dataset

Hi Kristine –

The sediment (and water) chemicals selected for background analyses in the 2009 and 2011 RI drafts were based on the risk assessments and the PRG lists in play at those times. Total PCDD/F didn't come through based on those criteria and so it was not part of the Section 7 chemical list. Here's the relevant excerpt from Section 7.2.1:

All contaminant that are included in the background analysis, i.e., background ICs and their basis for inclusion, are presented in Tables 7.2-1 for surface sediment and surface water. The background ICs are based primarily on contaminants that potentially pose an unacceptable risk to human health and the environment as identified in the BHHRA and BERA, and those chemicals in surface water and TZW sampling results that exceed drinking water and surface water quality criteria, without taking into account any spatial or temporal averaging.

Therefore, generating the summed totals from the source SCRA for Total TCDD/F using the applicable data rules is a new task. We will need to have that query done by Tom Schulz, Integral's LWG project database manager, (b) (6). I will make sure he prioritizes this task that day.

Thanks,

Gene

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HEALTH ENVIRONMENT TECHNOLOGY SUSTAINABILITY

From: Koch, Kristine [<mailto:Koch.Kristine@epa.gov>]
Sent: Thursday, June 27, 2013 8:09 AM
To: Gene Revelas
Cc: Jarrod Gasper; 'James McKenna'; 'jworonets@anchorqea.com'; Sandy Browning
Subject: RE: Background Dataset

I'm not clear on this. When will we get the background data for Total PCDD/F?

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From: Gene Revelas [<mailto:grevelas@integral-corp.com>]
Sent: Wednesday, June 26, 2013 9:34 PM
To: Koch, Kristine
Cc: Jarrod Gasper; 'James McKenna'; 'jworonets@anchorqea.com'; Sandy Browning
Subject: Background Dataset

Hi Kristine -

The 2011 RI background dataset is attached, in flat-file format. This file includes data for all of the key contaminants listed in EPA's revised Table 5.1-2, except for Total PCDD/F. Total PCDD/F has not previously been included in the background analysis. This dataset was created from three SCRA flat files dating to 2008. This combined dataset was updated in the spring of 2010 to reflect new qualifier and value information for the data from Survey WFLH07 that had been provided by EPA. We were not able to create this dataset from the Appendix H copy of the SCRA from the 2011 RI because that dataset inadvertently excluded samples above RM 26.1 (Willamette Falls). The background dataset includes 8 samples located above the falls. We will update the SCRA accordingly as part of on-going RI revision.

Please cc. my colleague Jarrod Gasper on any questions about the attached file.

Thanks,

Gene

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HEALTH ENVIRONMENT TECHNOLOGY SUSTAINABILITY